

### Abstract

The invention relates to an optical arrangement provided for a spectral fanning out of a light beam (1), preferably in the detection beam path of a confocal microscope, especially for the subsequent splitting of the fanned out beam (2) out of the dispersion plane thereof. The optical arrangement is also provided for detecting the fanned out spectral regions (4), whereby the incoming light beam (1) is focused on a pinhole (7). The invention is characterized in that the pinhole (7) has a polygonal passageway (8) in order to realize a high dynamic response when the light beam is split into spectral regions (4) or into spectral colors.

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